

## AMENDMENTS TO SPECIFICATION

Please replace paragraphs 0001 and 0002 with the following re-written paragraphs, as revised:

**[0001]** The present application is a divisional application of Serial No. 09/846,135, filed April 30, 2001, which in turn is a continuation-in-part application of Serial No. 09/823,195, filed March 29, 2001, which in turn is a continuation-in-part application of Serial No. 09/759,438, filed January 12, 2001, now U.S. Patent No. 6,512,119, issued January 28, 2003, which in turn is a continuation-in-part application of Serial No. 09/738,793, filed December 14, 2000.

**[0002]** The present application is also related to the following applications and patents: Serial Numbers 09/280,048 (“Chemically Synthesized and Assembled Electronic Devices”), now U.S. Patent 6,459,095, issued October 1, 2002; 09/280,225 (“Molecular Wire Crossbar Interconnects Interconnect for Signal Routing and Communications”), now U.S. Patent 6,314,019, issued November 6, 2001; 09/282,045 (“Molecular Wire Crossbar Logic”); 09/282,049 (“Demultiplexer for a Molecular Wire Crossbar Network”), now U.S. Patent 6,256,767, issued July 3, 2001;, all filed on March 29, 1999, and Serial No. 09/699,080, filed on October 26, 2000, which is a divisional application of Serial No. 09/280,188, filed on March 29, 1999 (“Molecular Wire Transistors”), now abandoned, all filed on March 29, 1999, and U.S. Patent 6,128,214, issued on October 3, 2000 (“Molecular Wire Crossbar Memory”), and U.S. Patent 6,559,468, issued May 6, 2003, which is a divisional application of Serial No. 09/280,188, filed on March 29, 1999, now abandoned.